



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

ITS Labtest Bangladesh Ltd. (Calibration Laboratory)

Haider Tower, House-668, Choydana, Ward-34

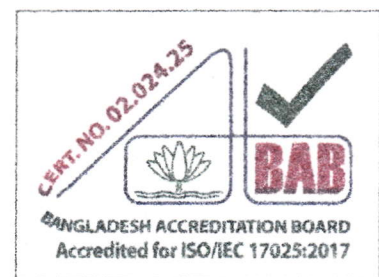
Gazipur City Corporation, Gazipur-1704, Bangladesh

This is to certify that this
Calibration Laboratory

is accredited in accordance with the international standard
ISO/IEC 17025:2017

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : 02.024.25
Accreditation Date : 01 December 2025
Date of Issuance : 01 December 2025
Date of Expiration : 30 November 2028



A. Aminul Islam
01.12.25
Mohd. Aminul Islam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

(For Calibration Laboratory)

CAB Name & Address: ITS Labtest Bangladesh Ltd. (Calibration Laboratory)
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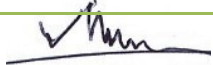
Accreditation Standard: ISO/IEC 17025:2017 **Accreditation Date:** 01 December 2025

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Last Amended on: - **Valid until:** 30 November 2028

Amendment no: -

S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
Field: Mechanical (Dimension)				
01.	Digimatic / Dial / Vernier Caliper	ITS/TCP/005	1 to 50 mm 50 to 100 mm 100 to 200 mm 200 to 300 mm	$\pm 7.6 \mu\text{m}$ $\pm 17 \mu\text{m}$ $\pm 31 \mu\text{m}$ $\pm 61 \mu\text{m}$
02.	Scale / Ruler/ Measuring Tape (Metallic / Woven / Fiber)	ITS/TCP/008	Steel Scale (1 to 1000 mm) Measuring Tape (1 to 15000 mm)	$\pm 0.29 \text{ mm}$ $\pm 0.58 \text{ mm}$
03.	Micrometer	ITS/TCP/006	1 mm 5 mm 10 mm 25 mm	$\pm 0.99 \mu\text{m}$ $\pm 1.1 \mu\text{m}$ $\pm 1.0 \mu\text{m}$ $\pm 1.7 \mu\text{m}$
04.	Thickness Gauge	ITS/TCP/026	1 mm 5 mm 10 mm	$\pm 7.0 \mu\text{m}$ $\pm 7.0 \mu\text{m}$ $\pm 5.8 \mu\text{m}$
05.	Feeler Gauge	ITS/TCP/007	0.02mm 0.25mm 0.5mm 0.75mm 1 mm	$\pm 1.4 \mu\text{m}$ $\pm 1.4 \mu\text{m}$ $\pm 1.4 \mu\text{m}$ $\pm 1.4 \mu\text{m}$ $\pm 1.4 \mu\text{m}$
Field: Mechanical (Speed/RPM)				
06.	Non-Contact Tachometer	ITS/TCP/015	30 RPM 100 RPM 2700 RPM 20000 RPM 60000 RPM	$\pm 0.60 \text{ RPM}$ $\pm 0.60 \text{ RPM}$ $\pm 1.9 \text{ RPM}$ $\pm 2.7 \text{ RPM}$ $\pm 3.8 \text{ RPM}$

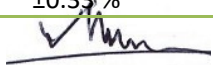

Quality Manager

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Field: Mechanical (Time)				
07.	Stopwatch / Digital Timer	ITS/TCP/016	5 s	±0.24 s
			60 s	±0.29 s
			1 h	±0.19 s
			4 h	±0.41 s
			8 h	±0.83 s
Field: Mechanical (Sound)				
08.	Sound Level Meter	ITS/TCP/014	94 dB	±0.60 dB
			114 dB	±0.60 dB
Field: Mechanical (Light Intensity/Lux)				
09.	Lux Meter	ITS/TCP/013	10 lux	±6.1 %lux
			494 lux	±2.5 %lux
			1012 lux	±2.5 %lux
			5012 lux	±2.5 %lux
			10312 lux	±2.5 %lux
			19974 lux	±2.5 %lux
Field: Mechanical (Pressure)				
10.	Pressure Gauge / Vacuum Gauge	ITS/TCP/009	-0.8 bar	±0.023 bar
			0 bar	±0.063 bar
			0 bar	±0.061 bar
			60 bar	±0.039 bar
			200 bar	±0.13 bar
			300 bar	±0.14 bar
			700 bar	±0.19 bar
Field: Mechanical (Force)				
11.	Load cell with Indicator (Universal / Tensile / Compression Testing Machine)	ITS/TCP/023	5 N	±2.2 %
			10 N	±1.1 %
			25 N	±0.51 %
			50 N	±0.38 %
			100 N	±0.34 %
			500 N	±0.33 %
			1000 N	±0.33 %


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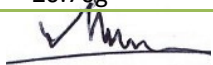
S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			5000 N	±0.33 %
			10000N	±0.33 %

Field: Mechanical (Weighing Balance)

12.	Weighing Balance	ITS/TCP/011	1 mg to 80 g	±0.038 mg
			80 g to 200g	±0.32 mg
			200 g to 6000 g	±0.023 g
			6 kg to 15 kg	±1.2 g
			15 kg to 60 kg	±1.8 g
			60 kg to 150 kg	±4.4 g
			150 kg to 500 kg	±42 g
			500 kg to 1000 kg	±149 g

Field: Mechanical (Mass)

			0.001 g	±0.000027g
			0.002 g	±0.000029g
			0.005 g	±0.000029g
			0.01 g	±0.000030g
			0.02 g	±0.000028g
			0.05 g	±0.000028g
			0.1 g	±0.000028g
			0.2 g	±0.000036g
			0.5 g	±0.000030g
			1 g	±0.000033g
13.	Weight	ITS/TCP/010	2 g	±0.000034g
			5 g	±0.000036g
			10 g	±0.000034g
			20 g	±0.000037g
			50 g	±0.000044g
			100 g	±0.00014g
			200 g	±0.00025g
			500 g	±0.0099g
			1 kg	±0.012g
			2 kg	±0.50g
			5 kg	±0.50g
			10 kg	±0.76g


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S.N.	Measured quantity Instrument/Gauge	Reference to Method	Measurement range/value	Measurement Capabilities expressed as expanded uncertainty U (k=2)
			20 kg	±1.7g

Field: Mechanical (Volume)

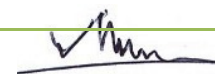
14.	Volumetric Flask/ Measuring Cylinder/ Burette/ Glass Pipette	ITS/TCP/012	Volumetric Flask	
			5ml	±0.0041ml
			250ml	±0.080 ml
			1000ml	±0.37 ml
			Measuring Cylinder	
			10ml	±0.10 ml
			100ml	±0.13 ml
			1000ml	±0.94 ml
			Burette	
			1ml	±0.0067ml
			5ml	±0.0067ml
			10ml	±0.0067ml
			Pipette	
			1ml	±0.0066ml
			3ml	±0.0070ml
			10ml	±0.0073ml

Field: Mechanical (Torque)

15.	Torque	ITS/TCP/024	1 N.m	±1.1 %N.m
			4 N.m	±0.44%N.m
			8 N.m	±0.37%N.m
			12 N.m	±0.36%N.m
			16 N.m	±0.36%N.m
			20 N.m	±0.36%N.m

Field: Thermal

16.	Digital Thermometer / Temperature Gauge / Temperature Controller with sensor / RTD sensor with Indicator / Thermocouple sensor	ITS/TCP/001	-33 °C to 130 °C	±0.14 °C
			50 °C to 650 °C	±0.16 °C

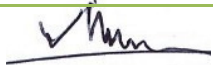

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	with Indicator			
17.	Glass Thermometer	ITS/TCP/002	20 °C to 50 °C 50 °C to 95 °C	±0.44 °C ±0.48 °C
18.	Hygrometer / Temperature Humidity Chamber	ITS/TCP/003	Temp: 5°C to 90°C Humidity: 10% to 90 %RH	±0.30 °C ±1.7 %RH
19.	Oven / Muffle Furnace / Incubator / Freezer / Refrigerator / Temperature bath/ Temperature Chamber	ITS/TCP/004	-70 °C to 0 °C 0 °C to 100 °C 100 °C to 500 °C 500 °C to 1100°C	±0.27 °C ±0.64 °C ±0.64 °C ±0.86 °C
Field: Electro-Technical				
20.	AC Voltage	ITS/TCP/017	100mV 10V 250V 500V 1000V 5kV 10kV 20kV 30kV 40kV	±0.044 %mV ±0.17 %V ±0.24 %V ±0.18 %V ±0.11 %V ±0.20%kV ±0.21%kV ±0.21%kV ±0.20%kV ±0.20%kV
21.	DC Voltage	ITS/TCP/017	100mV 10V 250V 500V 1000V 5kV 10kV 20kV 30kV 40kV	±0.0050 %mV ±0.017 %V ±0.019 %V ±0.014 %V ±0.0083 %V ±0.20%kV ±0.21%kV ±0.21%kV ±0.20%kV ±0.20%kV
22.	AC Current	ITS/TCP/018	1mA 10A	±0.18 %mA ±0.19 %A


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23.	DC Current	ITS/TCP/018	250A	±0.08 %A
			500A	±0.03 %A
			950A	±0.02 %A
			1mA	±0.081%mA
			10A	±0.017 %A
24.	Frequency	ITS/TCP/019	250A	±0.052 %A
			500A	±0.026 %A
			950A	±0.019 %A
			45 Hz	±0.047 %Hz
25.	Resistance	ITS/TCP/020	500Hz	±0.017 %Hz
			950Hz	±0.015 %Hz
			1 Ω	±1.9 %Ω
			100 kΩ	±0.019%KΩ
26.	Capacitance	ITS/TCP/021	1 MΩ	±0.18 %MΩ
			10MΩ	±0.002%MΩ
			1 nF	±0.33 % nF
			10 nF	±0.10 % nF
			100 nF	±2.3 % nF
27.	Inductance	ITS/TCP/022	1 μF	±0.75 % μF
			10 μF	±0.12 % μF
			20 μH	±8.8 % μH
			100 μH	±0.88 % μH
			1 mH	±0.11 %mH
			10 mH	±0.090 %mH
28.			100 mH	±0.090 %mH

END



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